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*The
Connecticut
Agricultural
Experiment
Station,
New Haven*

**Analysis of
Fertilizers
Sold in Connecticut
1997**

BY MARY JANE INCORVIA MATTINA

*Bulletin 952
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From January 1, 1997 to December 31, 1997 the Department of Analytical Chemistry analyzed 205 fertilizer samples to determine that the label guarantee on the product is in compliance with State of Connecticut regulations. Determinations of the macronutrients, nitrogen, phosphorus (as P_2O_5) and potassium (as K_2O), as well as a large number of micronutrients were made.

Thirty-five different manufacturers were represented in this year's survey. Of the total number of samples analyzed 87 samples (42.4%) were deficient in one or more of the macronutrients. A sample is considered to be unsatisfactory if the value for a parameter is below the guaranteed value by more than the permissible percentage established by the Association of American Plant Food Control Officials. Specifically, 21 samples (10.2%) were deficient in nitrogen, 7 samples (3.4%) were deficient in phosphorus, and 63 samples (30.7%) were deficient in potassium. The results of the analyses for macronutrients are provided in the Table. Of the 67 samples analyzed for micronutrients, 34 (50.7%) were found to be deficient in one or more micronutrients. These results are summarized in the Table as well. A deficiency in either the macronutrients or micronutrients is indicated by a minus (-) sign next to the deficient analyte.

The samples were collected by Alton VanDyke and John Schneider of the Connecticut Department of Agriculture. The analyses were performed by Craig Musante and Mamie Pyles under the supervision of Dr. David Stilwell.

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Table 1. Analysis of Fertilizer Products. The micronutrients are as follows: B=boron; Ca=calcium, Co=cobalt; Cu=copper, Fe=iron, Mg=magnesium; Mo=molybdenum; Na=sodium; S=sulfur; Zn=zinc.

Manufacturer/product	% N		%P ₂ O ₅		%K ₂ O		Miscellaneous nutrients
	Guar	Find	Guar	Find	Guar	Find	
A.H. HOFFMAN, INC							
Country Cottage Azalea, Rhododendron & Evergreen Food	10	10.2	7	6.8	7	5.8	Mg 5.4; Ca 9.1; S 5.8; Fe 0.52
Country Cottage Tomato Food	5	5.3	10	10.5	10	8.6	Mg 6.7; Ca 12; S 1.4; Fe 0.59
Hoffman Dehydrated Super Manure	4	4.2	2	4.6	2	3.2	
Hoffman Holly Food	4	4.6	6	10.1	4	4.3	
AGWAY OF MANCHESTER							
Agway Bulk Blend	20	22.8	12	12.1	22	19.3	
Agway Bulk Blend	15	17	0		15	13.2	
Agway Bulk Blend	23	26	11	13.4	19	16.2	
Agway Bulk Blend	9	9.7	9	11.4	38	34.8	B 0.41
Agway Bulk Blend	3	2.7	11	10.2	44	43.6	B 0.44
AGWAY OF PLAINFIELD							
Agway Bulk Blend	25	23.7	3	3.7	24	25.8	
Agway Bulk Blend	16	16.1	16	18.7	24	21.6	
Agway Bulk Blend	25	25.4	3	4	24	23.6	
Agway Bulk Blend	10	11.1	16	18.4	32	29.3	
Agway Bulk Blend	0	1.1	25	25.5	27	28.4	
Agway Bulk Blend	19	18.5	7	10	28	27.1	
Agway Bulk Blend	24	23.2	12	14.3	18	15.6	
Agway Bulk Blend	17	15.8	13	14.1	25	27.5	
Agway Bulk Blend	7	8.3	30	31.3	22	21.1	S 1.2; Mg 0.6
Agway Bulk Blend	26	24.4	10	12.3	15	16.8	
Agway Bulk Blend	24	24.8	12	12.5	17	17.2	
Agway Bulk Blend	23	22.9	4	5.5	8	8.6	
Throw & Grow Time Release for Houseplants & Orchids	23	24.1	12	13.5	18	17.3	
Agway Bulk Blend	24	21.9	12	12.6	18	19.9	
Agway Bulk Blend	23	23.1	12	25.5	18	6.4	
Agway Bulk Blend	13	13.2	17	18.3	26	24.1	B 0.31
Agway Bulk Blend	23	24.2	12	14.4	18	15.5	
Agway Bulk Blend	23	27.4	12	13.9	18	13.1	
Agway Bulk Blend	23	23.7	12	12	18	18.2	
Agway Bulk Blend	24	28	3	3.9	24	19.2	
Agway Bulk Blend	26	27.5	10	10.4	15	14.5	
Agway Bulk Blend	24	19.3	12	10.7	18	22.8	
Agway Bulk Blend	15	17.3	10	11	10	9.1	
Agway Bulk Blend	19	16.8	7	8	27	27.8	
Agway Bulk Blend	15	14.7	8	8.9	12	13.4	
Agway Bulk Blend	24	21.7	12	11.8	18	19.2	
Agway Bulk Blend	32	33.5	0		17	15.1	
Agway Bulk Blend	14	14.3	30	30.8	14	14.3	

Table 1. Analysis of Fertilizer Products (continued). The micronutrients are as follows: B=boron; Ca=calcium; Co=cobalt; Cu=copper; Fe=iron; Mg=magnesium; Mo=molybdenum; Na=sodium; S=sulfur; Zn=zinc.

Manufacturer/product	% N		%P ₂ O ₅		%K ₂ O		Miscellaneous nutrients
	Guar	Fnd	Guar	Fnd	Guar	Fnd	
Agway Bulk Blend	24	25	12	11.6	17	15.7-	
Agway Bulk Blend	26	24.1-	13	12.7	13	15.8	
AGWAY, INC							
Agway Blend-Rite	0		10	12	40	35-	B 0.44
Agway Early Edge Blended Starter	10	10.1	20	23.9	10	10.4	
Agway Blend-Rite	10	9.5	20	17.6-	20	20	
Agway Early Edge Crop Starter	13	13.3	13	13.3	13	13.3	
Agway Blend-Rite	15	14.2-	8	8.6	12	10.9-	
Agway Blend-Rite	15	14.7	15	15.4	15	14.5	
Agway Blend-Rite	5	5.2	10	11.1	10	10	
Agway Natures Way Organic Plant Food	4	4.6	5	5.3	4	4	
Agway Super Garden Plant Food	12	12.1	24	25.3	12	11.5	Cu 0.048-; Fe 0.71; Mn 0.09; Zn 0.16
Agway Rose Food	9	9.8	14	16.2	8	9.8	S 3.03
Agway Blend-Rite	10	11.6	10	11.8	10	10	
Agway Greenlawn Lawn Fertilizer	32	31.2	3	3.8	5	5.5	S 3.0
Agway Super Garden Plant Food	12	12.1	24	24.4	12	12.4	Cu 0.05-;Fe 1.1; Mn 0.1; Zn 0.22
Agway Organic Bone Meal	1		11	18.9	0		
Agway Evergreen & Azalea Food	8	6.4	4	4.1	4	4.6	Cu 0.04-; Fe 0.55-; Mn 0.08; Zn 0.17
Agway Rose Food	9	10.3	14	16.6	8	6.1-	S 2.6
Agway Flower Food	6	6.3	12	11.8	7	5.6-	S 2.3
Agway Garden Plant Food	5	5.4	10	11.4	5	4.9	
CADWELL & JONES							
C&J Specialty	5	6.4	10	9-	10	12.8	
C&J Seed Booster	18	26.5	23	22.7	12	1.5-	
C&J	10	17	6	18.7	4	6.2	
Nassau County Turf Services	23	26	0		23	16.7-	
C&J	15	14.6	15	14.9	15	15.2	
C&J	19	20.9	19	21	19	14.6-	
C&J	12	12.2	24	23.7	12	11.9	
C&J	5	3.9-	1	1.5	3	1.9-	
Super Surge Lawn Food	20	19.9	10	12.8	10	9.9	
C&J	10	12.2	10	16.8	20	12-	
C&J	18	8.4-	11	16.1	17	17	
C&J	5	7.2	10	13.4	5	4.1-	
C&J	18	19.7	9	12.6	18	15.2-	
CROP PRODUCTION SERVICES (NY)							
Village Green Professional Turf Food	5	4.1-	10	10.5	10	8.6-	
CPS	10	8.5-	10	9.3	10	9.4	
Village Green Professional Turf Food with 50% Slow Release N	10	7.6-	6	6.8	4	3.8	
CPS	10	12.5	10	11.8	10	10.2	

Table 1. Analysis of Fertilizer Products (continued). The micronutrients are as follows: B=boron; Ca=calcium, Co=cobalt; Cu=copper, Fe=iron, Mg=magnesium; Mo=molybdenum; Na=sodium; S=sulfur; Zn=zinc.

Manufacturer/product	%N		%P ₂ O ₅		%K ₂ O		Miscellaneous nutrients
	Guar	Fnd	Guar	Fnd	Guar	Fnd	
CPS	10	8.3-	8	8.2	10	12	
CPS with borate	0	0.5	20	21.1	20	27.5	
Village Green Professional Turf Food	10	10.3	20	19.8	20	19.6	
Village Green Christmas Tree Fert	18	20.5	11	10.3	17	16.8	
Turf Specialty 100% Organic	4	4.1	6	9.5	4	2.9-	
CPS Bulk Blend	20	20.4	15	17.2	15	13.5-	
CPS	0		26	26.2	26	22-	
CPS Corn Starter	8	8.3	24	21.7-	16	16.8	
Village Green Turf Food	10	10.3	6	6.8	4	2.9-	
Village Green Turf	5	5.5	10	12.3	10	11.7	
Village Green Professional Turf Food	20	22.9	10	9.9	25	21.6-	
Village Green Professional Turf Food	24	23.4	3	2.9	5	4.8	
Village Green Professional Turf Food	28	28.8	5	5	11	9.5	
CPS Blueberry Mix with Micros	7	7.3	7	7.4	7	6.6	
CPS	8	9.5	8	9.7	8	7.8	
CPS	8	8.9	24	24.8	16	13.6-	
CPS	10	14.7	20	20.9	10	12.6	
CPS Jump Start with Micros	9	9.4	24	25.8	14	14	
CPS	19	19.1	19	18.7	19	20.5	
CPS	19	25.8	0		15	15.6	
CPS Greens Grade	12	11.4	1	2.1	12	11.5	
CPS Corn Starter	6	6.8	24	24.4	12	10.9-	
CPS with Mg and S	0		19	15.3-	19	22	
CPS Bulk Blend	12.7	11.2-	6	6	26	26	
CPS Bulk Blend	27	29.5	10	11.8	16	12.3-	
CPS Bulk Blend	33.4	33.2	9.3	8.9	9.3	10	
CPS	5.6	6	0		3.7	3.3	
DECRAN AG. SUPPLIES							
DeCam Deluxe	10	11.2	10	14.2	10	10.7	
DeCam Deluxe	5	4.9	10	11.1	5	4.8	
DOM D'AGOSTINO'S NURSERIES							
Dom D'Agostino's The Acid One	5	4.7	7	7.1	5	6.1	
DRAGON CORP.							
Dragon All-Purpose Plant Food	10	7.9-	10	9.3	10	8.7-	Cu 0.063;-Mn 0.21;-Zn 0.074; Fe 0.68
EARTHGRO, INC.							
Earthgro Organic All-Purpose Potting Mix + Slow Release Fertilizer	0.09	1.2	0.09	0.7	0.09	0.8	S 1.1;-Ca 10.3; Mg 0.58;-
Earthgro Lawn Food	8	8.8	2	4.6	4	3.9	Mg 0.41;-S 1.8;-Ca 2.1-
Earthgro Lawn Food	8	7.6	2	2.9	4	4.4	

Table 1. Analysis of Fertilizer Products (continued). The micronutrients are as follows: B=boron; Ca=calcium; Co=cobalt; Cu=copper; Fe=iron; Mg=magnesium; Mo=molybdenum; Na=sodium; S=sulfur; Zn=zinc.

Manufacturer/product	% N		% P ₂ O ₅		% K ₂ O		Miscellaneous nutrients
	Guar	Find	Guar	Find	Guar	Find	
1881 Select Vegetable & Flower Food	4	5.1	6	7.6	4	5.6	Mg 0.76-; S 3.1; Ca 8.1;
1881 Select Composted Manure	0.5	0.56	0.5	0.67	0.5	0.65	
HOWARD JOHNSON'S ENTERPRISES							
Green Chem Lawn Food	29	32.5	3	3.3	4	3.6	Fe 0.17-
Green Charm Lawn Starter	17	17.5	23	26	6	5.3-	Fe 0.85-
All-Purpose Fertilizer	5	6.1	10	13.8	5	5.5	
All-Purpose Fertilizer	12	13.8	12	15.5	12	11.4	S 1.5-
NHD Hardware Premium Lawn Fertilizer	30	30	4	6.8	6	9.4	
Green Charm All Purpose Fertilizer	12	10.3-	12	13.1	12	7.4-	
Green Charm Lawn Food	29	30.6	3	3.3	4	3.9	Fe 0.31-
All-Purpose Fertilizer (Generic)	5	4.8	10	10.1	5	4.7	
IMC VIGRO							
All American Lawn and Garden Fertilizer	5	3.7-	10	7.5	5	5.7	
Vigoro Premium Starter Lawn Fertilizer	20	22.2	25	25.8	10	7.7-	Fe 1.2
JONATHAN GREEN INC							
Jonathan Green New Seeding Fertilizer	14	15.3	28	31.1	15	13-	Fe 1.1; S 1-
Jonathan Green Winter Survival	10	9.6	18	18.1	20	19.9	Fe 0.61-; S 2.52
Jonathan Green Green-up Lawn Fertilizer	30	32.4	5	6.2	5	4.6	S 2.1-; Fe 0.22-
K-MART CORPORATION							
K-Gro Premium Lawn Fertilizer	29	35.2	3	3.4	4	2.7-	S 2.3-; Fe 0.58-
K-Gro	18	19.8	24	25.1	12	10.6-	Cu 0.03-; Fe 1.05; Mn 0.12; Zn 0.07
K-Mart Garden, Tree & Shrub Food	5	5.6	10	11.2	5	4.2-	Mg 2.9; B 0.003-; Cu <0.001-; Fe 0.25-
K-Gro Tomato & Vegetable Food	5	6.1	10	7.6-	8	8.6	Mn 0.012-; Zn 0.002-
LEBANON CHEMICAL CORP.							
Greenview Green Start Starter Fertilizer	10	13.5	18	16.9-	10	10.1	
Greenview Winter Green Fall Fertilizer	10	10.5	16	16.4	20	19.7	Mg 1.7; S 6.0; Fe 1.7; Mn 0.28-
Greenview Power Lawn Fertilizer	30	28.1-	4	4.2	4	7.7	
Wondergro All-Purpose Lawn & Garden 39 Plus	13	14.4	13	14.9	13	14.3	S 5.9-;
Greenview	5	6.1	10	10.5	5	5.9	Mg 4.2-; S 3.1; Ca 14.4;
Lebanon	5	7.3	10	12.6	10	11.6	
Lebanon Multi-purpose Fertilizer	10	11.7	10	9.9	10	8.3-	Fe 0.91; Ca 6.1; S 10.4
Lebanon	10	10.6	10	10.6	10	10.7	
Lebanon	5	5.7	10	10.7	5	10.5	
Lebanon Grass Food	10	10.3	6	6.3	4	4.1	
Re-Nu Seed Starter Fertilizer	11	13.8	23	24.8	10	11.4	
Lebanon Professional Turf Products with Team	22	20-	0		6	14.6	
Green Gold Re-Nu Seed Starter Fertilizer	11	12.5	23	25.1	10	12.5	

Table 1. Analysis of Fertilizer Products (continued) The micronutrients are as follows: B=boron; Ca=calcium; Co=cobalt; Cu=copper; Fe=iron; Mg=magnesium; Mo=molybdenum; Na=sodium; S=sulfur; Zn=zinc.

Manufacturer/product	% N		%P ₂ O ₅		%K ₂ O		Miscellaneous nutrients
	Guar	Fnd	Guar	Fnd	Guar	Fnd	
LESCO INC.							
Lesco Professional Turf Fertilizer	24	25.9	5	5.9	11	10.7	Fe 0.56; Mn 1.2
Lesco Professional Starter Fertilizer	18	20.2	24	26.2	12	10.4	
Lesco Professional Turf Fertilizer	19	19.3	19	19.3	19	16.2	S 2.41;
Lesco Professional Starter Fertilizer	18	17.9	24	25.3	12	12.6	Fe 0.69; S 3.9; Mn 0.75-
Lesco Professional Turf Fertilizer	24	24.3	5	6.7	11	10.4	S 11.6; Fe 0.59; Mn 0.44
Lesco Professional Landscape and Ornamental Fertilizer	14	15.4	14	14.8	14	13.3	
Lesco Professional Turf Fertilizer	35	34.5	3	3.7	5	4.5	
LIVING ACRES							
Living Acres Sea - Plus	3	2.9	2	1.7	2	1.6	Mg 823ppm; B 14ppm; Fe 52ppm; Ca 223ppm Mn 0.5ppm; Cu 2.97ppm; Zn 3.35ppm
LOFT'S							
Loft's Hydro Turf Filler Free	15	16.4	31	31.3	15	15	
MILORGANITE DIVISION							
Milorganite	6	6.2	2	3.6			Fe 4.1
STERN'S MIRACLE-GRO PRODUCTS							
Miracle Gro Extra Long Lasting Lawn Food	32	35.2	4	3.8	10	8.4	Fe 0.99
Miracle-Gro Extra Long Lasting Lawn Food	32	32.9	3	4.1	5	5.3	S 9.4; Fe 0.79
Miracle-Gro African Violet Food	7	7.6	7	7.1	7	7	B 0.024; Cu 0.043; Fe 0.11; Mn 0.074 Zn 0.049
Miracle-Gro Plant Food Spikes for Houseplants	6	6.2	12	13.8	6	6.9	Mg 0.78; B 0.025; Cu 0.047; Fe 0.18 Mn 0.041; Zn 0.059
Stern's Miracid	30	30.9	10	10.8	10	9.8	B 0.024; Cu 0.086; Fe 0.37; Mn 0.051 Mo 0.0008; Zn 0.10
Miracle-Gro All-Purpose Plant Food	15	16.7	30	29.7	15	14.5	B 0.019; Cu 0.073; Fe 0.18; Mn 0.041 Mo 0.0007; Zn 0.06
Miracid Plant Food with Trace Elements	30	29.3	10	12.7	10	11	Fe 0.353; Mn 0.054; Zn 0.11; B 0.03 Cu 0.11; Mo 0.0007
Miracle-Gro Plant Food	15	16.2	30	30.8	15	15.2	Fe 0.20; Mn 0.049; Zn 0.071; B 0.02 Cu 0.085; Mo 0.0008
NECESSARY ORGANICS, INC.							
Concern Vitalize All	7	8.2	5	9.4	5	5	Mg 0.95; Ca 9.5; S 1.7
NUTRICO, INC.							
Nutrico Premium Lawn Fertilizer	25	27.2	4	5	6	4.7	
Nutrico Premium Fall Lawn Winterizer	10	10.8	20	24.2	12	5-	Fe 1.7
Nutrico Lawn Fertilizer, 50% Organic	10	15.2	6	9	4	3.8	
Nutrico Garden & Shrub Fertilizer	5	8.2	10	16	5	4.9	

Table 1. Analysis of Fertilizer Products (continued). The micronutrients are as follows: B=boron; Ca=calcium, Co=cobalt; Cu=copper, Fe=iron, Mg=magnesium, Mo=molybdenum; Na=sodium; S=sulfur, Zn=zinc.

Manufacturer/product	% N		% P ₂ O ₅		% K ₂ O		Miscellaneous nutrients
	Guar	Find	Guar	Find	Guar	Find	
Organic Grow	5	5.2	3	3.8	0		Fe 2.6; S 1.4-
Oliver's "Good Stuff"	10	13.5	10	13.8	10	5.9-	Fe 0.49-
Nutrico All-Purpose	10	10.4	10	9.4	10	10.8	
Nutrico Starter Fertilizer	14	14.6	22	23.7	6	3.1-	Fe 1.3; S 2.2
Nutrico Weed & Feed with Trimec	25	27.7	3	4	5	3.4-	
Nutrico Tomato, Shrub & Garden Food	5	4.9	10	5.9-	10	9-	
Nutrico Professional	20	20.3	5	6	10	8.6-	Fe 1.25
Nutrico Professional	33	36.7	4	4.7	10	6.4-	
OCEAN CREST SEAFOOD							
Neptune's Harvest Liquid Fish & Seaweed Plant Food	2	5.4	3	3.4	0.5	0.4	
PURSELL INDUSTRIES INC.							
Van Bloem Gardens Flower, Bulb & Perennial Fertilizer	12	13	12	12.1	9	7.5-	
RINGER CORP.							
Ringer Lawn Restore	10	10.5	2	1.7	6	5.8	
ROOTS, INC.							
Dry Roots 2	3	3.1	3	4.7	3	3.1	Mg 0.75; Ca 12.9; Fe 0.99-
SALEM COUNTRY GARDENS							
Salem Country Gardens Starter Fertilizer	18	18.19	25	24.4	12	11.4	
Salem Country Gardent Tom., Shrub, and Garden Food	5	7.2	10	14.7	10	9.7	
SCHULTZ CO.							
Schultz Instant Bloom Plus	10	10	60	56.5-	10	10.4	Fe 0.11; Mn 0.043; Zn 0.051
Schultz Instant All-Purpose Plant Food	20	20.8	30	29.7	20	17.5-	Fe 0.1; Mn 0.042; Zn 0.054
Schultz Instant All Purpose Plant Food	20	20.1	30	30.4	20	18.2-	Fe 0.095; Mn 0.048; Zn 0.056
SCOTT'S/SIERRA HORTICULTURAL PRODUCTS							
Osmocote Vegetable & Bedding Plant Food	14	14.6	14	14.5	14	13.7	
SPECTRUM GROUP							
Peter's Professional All-Purpose Plant Food	20	21.6	20	21	20	21.1	Mg 0.59; boron 0.02; Cu 0.04; Fe 0.099
							Mo 0.00044; Zn 0.04; Mn 0.038-
SUSTONE CORP.							
Sustane Landscaper's Choice	4	4.6	6	10	4	4.1	Ca 5.5

Analysis of Fertilizers Sold in Connecticut 1997

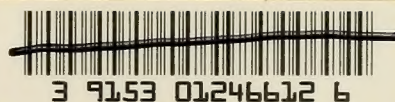
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Manufacturer/product	Guar	% N	Find	Guar	%P ₂ O ₅	Find	Guar	%K ₂ O	Find	Miscellaneous nutrients
THE ESPOMA CO.										
Espoma Garden-Tone	4	4.6	6	8.4	6	7.6	Mg 1.1; B 0.014; Zn 0.055; Ca 5.6 Co 0.00035; S 8.3; Cu 0.05; Fe 0.65; Na 0.27			
Espoma Bulb-Tone	4	4.4	10	12.9	6	7	Mg 0.72; B 0.028; Fe 0.95; Ca 8.3; Zn 0.069 S 7.2; Cu 0.064; Mn 0.11; Na 0.43; Mo 0.0005			
Espoma Plant-Tone	5	5.8	3	5.2	3	3.2	Mg 0.67; B 0.022; Fe 0.31; Ca 4.3; Zn 0.072; S 2.1 Cu 0.062; Mn 0.76; Na 0.57; Co 0.00029; Mo 0.00049			
Espoma Dried Blood	12	14.9	0	26	0		Mg 0.67; B 0.028; Fe 0.63; Ca 3.3; Zn 0.12			
Espoma Bone Meal	4	4.6	12	26	0		Cu 0.049; Na 0.35; Mn 0.14; Co 0.0005; Mo 0.0013; S 6.8			
Espoma Rose-Tone	6	7.1	6	7	4	4.6	Mg 1.2; B 0.022; Zn 0.073; Ca 2.42; Na 0.35 S 8.9; Fe 0.58; Mn 0.078; Mo 0.00083 Co 0.00039; Cu 0.049			
Espoma Tree-Tone	9	9.9	5	6.1	4	4.5				
Espoma Lawn Food	18	19.8	8	10.1	6	7.9	Mg 0.85; B 0.01; Fe 0.3; Ca 3.8; Zn 0.037- Cu 0.02; Na 0.37; Mn 0.033; S 6.7			
Espoma Holly-Tone	4	6.1	6	7.6	4	5.2				
THE SCOTTS CO.										
Scotts Starter	20	21.7	27	28.3	5	5.4				
Scotts Turf Builder	29	29.1	3	2.7	4	4.3				
Scotts Super Turf Builder	35	37.4	3	2.8	5	4.8				
Scotts Turf Builder Lawn Fertilizer	29	31.5	3	3	4	3.8				
VIGORO INDUSTRIES										
Gro-Tone Evergreen Food	6	6.3	8	7.3	6	5-				
Suburban	5	6	10	11.9	10	10.5				
Suburban Lawn Fertilizer	10	10.6	6	6.8	4	5.6				
Suburban	10	10.3	10	11.8	10	9.8				
Gro-Tone Plant Food	5	6.2	10	11	5	6				
Gro-Tone Fall, Winter & Starter Fertilizer	12	14.3	23	26.2	18	16-	Fe 0.78-			
Vigoro Premium Lawn Fertilizer	27	28.7	2	2.5	5	5.1	Fe 1.6-			
K-Gro Premium Lawn Fertilizer	29	29.2	3	2.6	4	4.4				
WEATHERLY CONSUMER PRODUCTS										
Jobe's Fertilizer Spikes for Tomatoes	8	10.6	24	25.1	8	9.3				

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